

**COPY OF PAPERS
ORIGINALLY FILED**

PTO/SB/08A (10-01)

Approved for use through 10/31/2002.OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/758,712
				Filing Date	January 11, 2001
				First Named Inventor	Peter D. Wendt
				Art Unit	2621
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	SONY 3.0-021

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SA	A	M. Kutter, Watermarking Resisting to Translation, rotation, and scaling, Signal Processing Laboratory, Swiss Federal Institute of Technology	

Examiner Signature		Date Considered	3.2.04
-----------------------	---	--------------------	--------

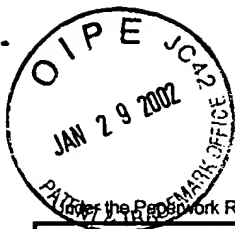
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

RECEIVED

MAR 05 2002

Technology Center 2600



PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/758,712	
			Filing Date	January 11, 2001	
			First Named Inventor	Peter D. Wendt	
			Art Unit	2621	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	SONY 3.0-021

RECEIVED
FEB 01 2002
Technology Center 2600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
S.A.	A	6,047,374	04-04-2000	Barton	
S.A.	B	6,282,300	08-28-2001	Bloom et al.	

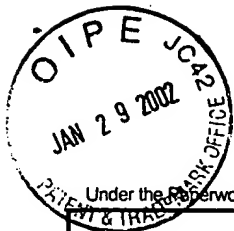
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
S.A	A	V. Solachidis and I. Pitas, "Circularly Symmetric Watermark Embedding in 2-D DFT Domain," IEEE Article, pp. 3469-3472, 1999.		
1-	B	V. Licks, R. Jordan, "On Digital Image Watermarking Robust To Geometric Transformations," IEEE Article, pp. 690-693, 2000.		
	C	Zhicheng Ni, Eric Sung and Yun Q. Shi, "Enhancing Robustness of Digital Watermarking against Geometric Attack Based on Fractal Transform," IEEE Article, pp. 1033-1036, 2000.		
	D	Masoud Alghoniemy and Ahmed H. Tewfik, "Image Watermarking By Moment Invariants," IEEE Article, pp. 73-76, 2000.		
	E	Anastasios Tefas and Ioannis Pitas, "Multi-Bit Image Watermarking Robust To Geometric Distortions," IEEE Article, pp.710-713, 2000.		
	F	P. Termont, L. DeStrycker, J. Vandeweye, M. Op de Beeck, J. Haitsma, T. Kalker, M. Maes and G. Depovere, "How To Achieve Robustness Against Scaling In A Real-Time Digital Watermarking System For Broadcast Monitoring," IEEE Article, pp. 407-410, 2000.		
	G	Min-Suk Hong, Tae-Yun Chung, Kang-Seo Park and Sang-Hui Park, "A Private/Public Key Watermarking Technique Robust To Spatial Scaling," IEEE Article, pp. 102-103, 1999.		
	H	Noppom Chotikakamthorn and Siriporn Pholsomboon, "Ring-shaped Digital Watermark for Rotated and Scaled Images Using Random-Phase Sinusoidal Function," IEEE Article, pp. 321-325, 2001.		
	I	Joseph J.K. O Ruanaidh and Thierry Pun, "Rotation, Scale and Translation Invariant Digital Image Watermarking," IEEE Article, pp. 536-539, 1997.		
	J	Ching-Yung Lin, Min Wu, Jeffrey A. Bloom, Ingemar J. Cox, Matt L. Miller and Yui Man Lui, "Rotation, Scale, and Translation Resilient Watermarking for Images," IEEE Article, pp. 767-782, 2001.		
	K	Sofia Tsekeridou, Nikos Nikolaidis, Nikos Sidiropoulos and Ioannis Pitas, "Copyright Protection of Still Images Using Self-Similar Chaotic Watermarks," IEEE Article, pp 411-414, 2000.		
V	L	Chun-Shien Lu and Hong-Yuan Mark Liao, "Video Object-Based Watermarking: A Rotation and		



Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	09/758,712
Filing Date	January 11, 2001
First Named Inventor	Peter D. Wendt
Group Art Unit	2621
Examiner Name	Not Yet Assigned
Attorney Docket Number	SONY 3.0-021

RECEIVED

FEB 01 2002

Technology Center 260

		Flipping Resilient Scheme," IEEE Article, pp. 483-486, 2001.	
3.A	M	Shelby Pereira, Joseph J. K. O Ruanaidh, Frederic Deguillaume, Gabriela Csurka and Thierry Pun, "Template Based Recovery of Fourier-Based Watermarks Using Log-polar and Log-log Maps," IEEE Article, pp. 870-874, 1999.	
	N	Shelby Pereira and Thierry Pun, "Transform for Digital Image Watermarking,"	
	O	S. Tsekeridou and I. Pitas, "Wavelet-Based Self-Similar Watermarking For Still Images," IEEE Article, pp. I-220-I-223, 2000.	
	P	I. Mora-Jimenez and A. Navia-Vazquez, "A New Spread Spectrum Watermarking Method With Self-Synchronization Capabilities," IEEE Article, pp. 415-418, 2000.	
✓	Q	Shelby Pereira and Thierry Pun, "Robust Template Matching for Affine Resistant Image Watermarks," IEEE Article, pp. 1123-1129, 2000.	
	R	Martin Kutter, "Towards Affine Invariant Image Watermarking Schemes," Swiss Federal Institute of Technology, Lausanne, pp. 1-27.	
	S	R. Caldelli, M. Barni, F. Bartolini and A. Piva, "Geometric-Invariant Robust Watermarking Through Constellation Matching In The Frequency Domain," IEEE Article, pp. 65-68, 2000.	
	T	I. Burak Ozer, Mahalingam Ramkumar and Ali N. Akansu, "A New Method For Detection Of Watermarks In Geometrically Distorted Images," IEEE Article, pp. 1963-1966, 2000.	
	U	D. Delannay and B. Macq, "Generalized 2-D Cyclic Patterns For Secret Watermark Generation," IEEE Article, pp. 77-79, 2000.	
	V	H.Z. Hel-Or, Y. Yitzhaki and Y. Hel-Or, "Geometric Hashing Techniques For Watermarking," IEEE Article, pp. 498-501, 2001.	
	W	Sviatoslav Voloshynovskiy, Frederic Deguillaume and Thierry Pun, "Multibit Digital Watermarking Robust Against Local Nonlinear Geometrical Distortions," IEEE Article, pp. 999-1002, 2001.	
	X	Ross J. Anderson and Fabien A.P. Petitcolas, "Information Hiding An Annotated Bibliography," Computer Laboratory, University of Cambridge, pp. 1-62.	
	Y	M. Kutter, S.K. Bhattacharjee and T. Ebrahimi, "Towards Second Generation Watermarking Schemes," IEEE Article, pp. 320-323, 1999.	
-	Z	N. Kaewkamnerd and K.R. Rao, "Wavelet Based Watermarking Detection Using Multiresolution Image Registration," IEEE Article, pp. II-171-II-175, 2000.	
	AA	P. Termont, L. DeStrycker, J. Vandewege, J. Haitsma, T. Kalker, M. Maes, G. Depovere, A. Langell, C. Alm, P. Norman, "Performance Measurements of a Real-time Digital Watermarking System for Broadcast Monitoring," IEEE Article, pp. 220-224, 1999.	
	AB	Maurice Maes, Ton Kalker, Jaap Haitsma and Geert Depovere, "Exploiting Shift Invariance to Obtain a High Payload in Digital Image Watermarking," IEEE Article, pp. 7-12, 1999.	
P	AC	Jean-Paul Linnartz, Ton Kalker and Jaap Haitsma, "Detecting Electronic Watermarks In Digital Video," Philips Researchpp. 1-4.	
✓	AD	Fabien A.P. Petitcolas, Ross J. Anderson and Markus G. Kuhn, "Information Hiding - A Survey," IEEE Article, pp. 1062-1078, 1999.	

Examiner Signature	<i>Sep. Armani</i>	Date Considered	3,2,04
--------------------	--------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.